

Current Addendums

LRFD Bridge Design Guidelines

Revision: April 2005
To: Section 2.5
Date: April 08, 2005

The following revised sheets are to be inserted into the LRFD Bridge Design Guidelines. This cover sheet is for information only and need not be retained.

General Quantities - Section 2.5

<u>Page</u>	<u>Date</u>	<u>Description</u>
1-3	March 2005	Added pay item for Seal Coat, Grade C.
1-4	Jan. 2005	No change printed on back of 1-3.
4 7	In 0005	The date of the other ways the man the stage of the stage
1-7	Jan. 2005	Updated to show pay items that are now in effect.
1-8	Jan. 2005	No change printed on back of 1-7.
1-9	Jan. 2005	Updated to show pay items that are now in effect.
1-10	Jan. 2005	No change printed on back of 1-9.
1-13	Jan. 2005	Undeted to show pay items that are now in effect
_		Updated to show pay items that are now in effect.
1-14	Jan. 2005	No change printed on back of 1-13.
1-15	March 2005	Undeted to show pay items that are now in effect
		Updated to show pay items that are now in effect.
1-16	Jan. 2005	Updated to show pay items that are now in effect.
1 17	March 2005	Undeted to show now items that are now in effect
1-17		Updated to show pay items that are now in effect.
1-18	Jan. 2005	Updated to show pay items that are now in effect.
247	lon 2005	Davised note for Seel Coat to add Crade C
2.1-7	Jan. 2005	Revised note for Seal Coat to add Grade C.
2.1-8	Jan. 2005	No change printed on back of 2.1-7.

LRFD Bridge Design Guidelines

Revision: April 2005
To: Section 3.30
Date: April 08, 2005

The following revised sheets are to be inserted into the LRFD Bridge Design Guidelines. This cover sheet is for information only and need not be retained.

General Superstructure – Section 3.30

<u>Page</u>	<u>Date</u>	<u>Description</u>
1.5-7	March 2005	Added deck cracking check note.
1.5-8	Jan. 2005	No change printed on back of 1.5-7.
1.7-4	March 2005	No change printed on front of 1.7-5.
1.7-5	March 2005	Corrected 9" slab to 8 1/2" slab.
1.7-6	March 2005	Corrected 9" slab to 8 1/2" slab.
1.8-1	Jan. 2005	No change printed on back of 1.7-6.
		9 ,
2.2-1	March 2005	No change printed on front of 2.2-2.
2.2-2	Jan. 2005	Corrected drafting error.
2.2-3	March 2005	Corrected bar callout "S" to "P1".
2.2-4	March 2005	No change printed on back of 2.2-3.

LRFD Bridge Design Guidelines

Revision: April 2005
To: Section 3.32
Date: April 08, 2005

The following revised sheets are to be inserted into the LRFD Bridge Design Guidelines. This cover sheet is for information only and need not be retained.

Protective Barricades – Section 3.32

<u>Page</u>	<u>Date</u>	<u>Description</u>
2.3-1	Jan. 2005	No change printed on front of 2.3-2.
2.3-2	Jan. 2005	Corrected 9" slab to 8 1/2" slab.
2.9-1	Jan. 2005	No change printed on front of 2.10-1.
2.10-1	Jan. 2005	Corrected 9" slab to 8 1/2" slab.
2.11-1	Jan. 2005	No change printed on front of 3.1-1.
3.1-1	March 2005	Corrected reference page number.

LRFD Bridge Design Guidelines

Revision: April 2005
To: Section 3.35
Date: April 08, 2005

The following revised sheets are to be inserted into the LRFD Bridge Design Guidelines. This cover sheet is for information only and need not be retained.

Expansion Devices – Section 3.35

<u>Page</u>	<u>Date</u>	<u>Description</u>
3.4-2	Jan. 2005	No change printed on front of 3.5-1.
3.5-1	Jan. 2005	Corrected 9" slab to 8 1/2" slab.
5.9-1	Jan. 2005	Corrected 9" slab to 8 1/2" slab.
6.1-1	Jan. 2005	No change printed on back of 5.9-1.

LRFD Bridge Design Guidelines

Revision: April 2005
To: Section 3.76
Date: April 08, 2005

The following revised sheets are to be inserted into the LRFD Bridge Design Guidelines. This cover sheet is for information only and need not be retained.

Concrete Pile Cap Non-Integral End Bents – Section 3.76

<u>Page</u>	<u>Date</u>	<u>Description</u>
2.3-1	Jan. 2005	No change printed on front of 2.3-2.
2.3-2	Jan. 2005	Revised live load surcharge information.
0.4.4		N
3.1-1	Jan. 2005	No change printed on front of 3.2-1.
3.2-1	Jan. 2005	Corrected layout length.
3.2-2	Jan. 2005	Corrected layout length.
3.2-3	Jan. 2005	Corrected layout length.
3.2-8	Jan. 2005	Corrected drafting error.
3.3-1	Jan. 2005	Revised wing brace details.

LRFD Bridge Design Guidelines

Revision: April 2005
To: Section 3.77
Date: April 08, 2005

The following revised sheets are to be inserted into the LRFD Bridge Design Guidelines. This cover sheet is for information only and need not be retained.

Concrete Pile Cap Integral End Bents – Section 3.77

<u>Page</u>	<u>Date</u>	<u>Description</u>
3.1-1	Jan. 2005	No change printed on front of 3.2-1
3.2-1	Jan. 2005	Revised wing brace details.
3.3-1	Jan. 2005	Corrected layout length.
3.3-2	Jan. 2005	Corrected layout length.
3.4-1	Jan. 2005	Corrected layout length.
3.4-2	Jan. 2005	Corrected layout length.

LRFD Bridge Design Guidelines

Revision: April 2005
To: Section 4.0
Date: April 08, 2005

The following revised sheets are to be inserted into the LRFD Bridge Design Guidelines. This cover sheet is for information only and need not be retained.

Office Notes - Section 4.0

<u>Page</u>	<u>Date</u>	<u>Description</u>
H1-A	Jan. 2005	No change printed on front of H1-B.
H1-B	Jan. 2005	Changed "50#" to "30#" roofing felt on note H1.10.
J1-A	Jan. 2005	Added bond breaker information to note J1-13.
J1-B	Jan. 2005	No change printed on the back of J1-A.

LRFD Bridge Design Guidelines

Revision: April 2005
To: Section 8.1
Date: April 08, 2005

The following revised sheets are to be inserted into the LRFD Bridge Design Guidelines. This cover sheet is for information only and need not be retained.

Preliminary Design – Section 8.1

<u>Page</u>	<u>Date</u>	<u>Description</u>
2.16-8	Jan. 2005	No change printed on front of 2.16-9.
2.16-9	Jan. 2005	Added "ATT:" and "Route" to letter format.
2.16-10	Jan. 2005	Added "ATT:" and "Route" to letter format.
2.17-1	Jan. 2005	No change printed on the back of 2.16-10.

LRFD Bridge Design Guidelines

 Revision:
 3.31-04_21_05

 To:
 Section 3.31

 Date:
 June 06, 2005

The following revised sheets are to be inserted into the LRFD Bridge Design Guidelines.

This cover sheet is for information only and need not be retained.

Bearings - Section 3.31

<u>Page</u>	<u>Date</u>	<u>Description</u>
2.5-4	Jan. 2005	No change printed on front of 2.5-4.1
2.5-4.1	June 2005	Added details showing dimensions used on chart on page 2.5-4
Blank		Printed on front of page 3.1-1
3.1-1	Jan. 2005	No change printed on back of Blank

LRFD Bridge Design Guidelines

Revision: June 2005
To: Section 4.0
Date: June 06, 2005

The following revised sheets are to be inserted into the LRFD Bridge Design Guidelines.

This cover sheet is for information only and need not be retained.

Office Notes - Section 4.0

<u>Page</u>	<u>Date</u>	<u>Description</u>
H10-A2	Jan. 2005	Added notes H10.13 thru H10.18 (These were removed from H10-C and renamed.) Underlined "horizontal" in note H10.12.1 to show it can be omitted if not applicable.
H10-B	March 2005	Revised note H10.86 for clarification.
H10-C	Jan. 2005	Removed notes H10.92 thru H10.98.
H11-A1	Jan. 2005	No change printed on the back of H10-C.

LRFD Bridge Design Guidelines

Revision: May 13, 2005
To: Section 8.1
Date: June 06, 2005

The following revised sheets are to be inserted into the LRFD Bridge Design Guidelines.

This cover sheet is for information only and need not be retained.

Preliminary Design – Section 8.1

<u>Page</u>	<u>Date</u>	<u>Description</u>
2.14-1	Jan. 2005	No change printed on front of 2.15-1.
2.15-1	Jan. 2005	Added Preliminary Cost Estimate should be rounded up to nearst thousand dollars.
2.15-1.1	Jan. 2005	Corrected spelling error
2.16-1	Jan. 2005	No change printed on the back of 2.15-1.1.
2.16-10	Jan. 2005	Revised format removed from (Duplication)
2.17-1	Jan. 2005	No change printed on back of 2.16-10
2.29-3	Jan. 2005	Added information for request for Final Designer
2.29-4	June 2005	No change printed on back of 2.29-3
3.3-4	Jan. 2005	No change printed on front of 3.3-5
3.3-5	Jan. 2005	Revised sheet to current practice

LRFD Bridge Design Guidelines

Revision: June, 2005
To: Section 8.1
Date: June 06, 2005

The following revised sheets are to be inserted into the LRFD Bridge Design Guidelines. This cover sheet is for information only and need not be retained.

Preliminary Design – Section 8.1

<u>Page</u>	<u>Date</u>	<u>Description</u>
2.17-4	Jan. 2005	No change printed on front of 2.18-1.
2.18-1	Jan. 2005	Added note to consider encasing piling in concrete.
2.19	Jan. 2005	No change printed on the front of 2.19-1.
2.19-1	Jan. 2005	Added choice of drilled shaft to type of footings.
2.21-6	Jan. 2005	No change printed on the front of 2.22-1
2.22-1	Jan. 2005	Added information for Design Layout sheet.
2.25-1	Jan. 2005	Changed contact to Assistant State Bridge Engineer.
2.26-1	June 2005	No change printed on back of 2.25-1

LRFD Bridge Design Guidelines

Revision: July 2005

To: Section 4.0 – Office Notes

Date: July 22, 2005

The following revised sheets are to be inserted into the LRFD Bridge Design Guidelines. This cover sheet is for information only and need not be retained.

Office Notes - Section 4.0

<u>Page</u>	<u>Date</u>	<u>Description</u>
H2-C3	Jan. 2005	No change printed on front of H2-C4.
H2-C4	Jan. 2005	Revised note H2.68 to coordinate with Pay Items.

LRFD Bridge Design Guidelines

Revision: Aug. 2005

To: Section 4.0 – Office Notes

Date: Aug. 5, 2005

The following revised sheets are to be inserted into the LRFD Bridge Design Guidelines. This cover sheet is for information only and need not be retained.

Office Notes - Section 4.0

<u>Page</u>	<u>Date</u>	<u>Description</u>
A1-A	March 2005	Updated Note A1.1 to include 2005 Interims.

A1-B Jan. 2005 No change printed on back of A1-A.

BRIDGE MANUAL ADDENDUM

Revision: Sept. 2005

To: Section 1.2 - Loads
Date: Sept 01, 2005

The following revised sheets are to be inserted into the LRFD Bridge Design Guidelines.

This cover sheet is for information only and need not be retained.

Loads - Section 1.2

<u>Page</u>	<u>Date</u>	<u>Description</u>
4.2-1	Jan. 2005	This revision is implementing following AASHTO for deflection criteria.
4.3-1	Jan. 2005	No change printed on back of 4.2-1.

BRIDGE MANUAL ADDENDUM

Revision: Sept. 2005

To: Section 3.43 - Steel Superstructure

Date: Sept 01, 2005

The following revised sheets are to be inserted into the LRFD Bridge Design Guidelines.

This cover sheet is for information only and need not be retained.

Steel Superstructure – Section 3.43

<u>Page</u>	<u>Date</u>	<u>Description</u>
4.5-1	Jan. 2005	No change reprinted on front of 5.1-1
5.1-1	Jan. 2005	This revision is implementing the use of welding in lieu of the current clip angle connection detail at the girder tension flange.
5.1-4	Jan. 2005	This revision is implementing the use of welding in lieu of the current clip angle connection detail at the girder tension flange.
5.2-1	Jan. 2005	This revision is implementing the use of welding in lieu of the current clip angle connection detail at the girder tension flange.
5.2-2	Jan. 2005	This revision is implementing the use of welding in lieu of the current clip angle connection detail at the girder tension flange.
5.2-3	March 2005	No change printed on back of 5.2-2

LRFD Bridge Design Guidelines

Revision: Sept. 21, 2005
To: Section 8.1
Date: Oct 07, 2005

The following revised sheets are to be inserted into the LRFD Bridge Design Guidelines.

This cover sheet is for information only and need not be retained.

Preliminary Design – Section 8.1

Page Date	<u>Description</u>
2.14-1 Jan. 2005	No Change printed on front of 2.14-1.
2.15-1 June 2005	Changed Average Prices per Square foot of Deck.
2.16-2 Jan. 2005	Revised number of copies from three to one for Bridge Memo.
2.16-3 Jan. 2005	Revised number of copies from three to one for Bridge Memo.
2.16-4 Jan. 2005	Revised Senior Engineer to Bridge Location and Layout Designer And changed number of copies from three to one.
2.16-5 Jan. 2005	No change printed on back of 2.16-4.
2.16-8 Jan. 2005	No change printed on front of 2.16-9.
2.16-9 April 2005	Reworded note (signed).
2.16-10 April 2005	Reworded note (signed).
2.17-1 Jan. 2005	No change printed on back of 2.16-10.

LRFD Bridge Design Guidelines

 Revision:
 Oct. 2005

 To:
 Section 2.5

 Date:
 Oct. 11, 2005

The following revised sheets are to be inserted into the LRFD Bridge Design Guidelines.

This cover sheet is for information only and need not be retained.

General Quantities – Section 2.5

<u>Page</u>	<u>Date</u>	<u>Description</u>
2-1.3	Jan. 2005	No change printed on front of 2.1-4.
2-1.4	Jan. 2005	Removed "If the deck is removed, the top of the top flange shall be included in the area computations." because it conflicted with Sec 216.50.

LRFD Bridge Design Guidelines

Revision: Oct. 2005

To: Section 4.0 – Office Notes

Date: Oct. 14, 2005

The following revised sheets are to be inserted into the LRFD Bridge Design Guidelines.

This cover sheet is for information only and need not be retained.

Office Notes - Section 4.0

<u>Page</u>	<u>Date</u>	<u>Description</u>
J1-A	April 2005	Removed "as outlined in the Project Special Provisions" from note J1.9.
J1-B	Jan. 2005	Added "(Responsibility of Bridge Division)" above note J1.15.

BRIDGE DESIGN GUIDELINES

Revision: 1.2-11/15/05
To: Section 1.2
Date: Jan. 03, 2006

The following revised sheets are to be inserted into the LRFD Bridge Design Guidelines.

This cover sheet is for information only and need not be retained.

Loads - Section 1.2

<u>Page</u>	<u>Date</u>	<u>Description</u>
2.3-1	Jan. 2005	Missing values for base pressure for transverse wind load to substructure from superstructure. Gave designer more flexibility for base pressures at design elevations above 30'
2.3-2	Jan. 2005	No change printed on back of 2.3-1.
2.3-3	Jan. 2005	Wind on live load application point changed from 6 ft. above slab to top of slab.
2.4-1	Jan. 2005	No change printed on back of 2.3-3
2.5-1	Jan. 2005	Braking load application point changed from 6 ft. above slab to top of slab.
2.5-2	Jan. 2005	No change prited on back of 2.5-1.

BRIDGE DESIGN GUIDELINES

Revision: 1.3-11/15/05
To: Section 1.3
Date: Jan. 03, 2006

The following revised sheets are to be inserted into the LRFD Bridge Design Guidelines.

This cover sheet is for information only and need not be retained.

Design Properties – Section 1.3

<u>Page</u>	<u>Date</u>	<u>Description</u>
i-1		Name change for section 1.1
Back		Blank
1.1-1	Jan. 2005	Modulus of elasticity values corrected for concrete columns and C.I.P. piles. Removed values to coincide with classes of reinforced concrete given in LRGD DG 1.4.2.1-1.
1.2-1	Jan. 2005	No change printed on back of 1.1-1.

BRIDGE DESIGN GUIDELINES

Revision: 3.71-11/15/05 To: Section 3.71 Date: Jan. 03, 2006

The following revised sheets are to be inserted into the LRFD Bridge Design Guidelines.

This cover sheet is for information only and need not be retained.

Open Concrete Int. Bents – Section 3.71

<u>Page</u>	<u>Date</u>	<u>Description</u>
1.7-3	Jan. 2005	No change printed on front of 2.1-1.
2.1-1	Jan. 2005	Added clarification for temperature load factors that is not given in the table referenced.
2.1-2	Jan. 2005	Part of page 2.1-1 migrated to 2.1-2.
2.2-1	Jan. 2005	No change printed on back of 2.1-2
2.2-2	Jan. 2005	Removed wording for collision design that is repeated from section 1.2.2.5-2.
2.2-3	Jan. 2005	Page eliminated - Blank
2.3-1	Jan. 2005	Removed maximum reinforcement check to reflect 2006 interims.
2.3-2	Jan. 2005	Removed maximum reinforcement check to reflect 2006 interims. Added clarification for bottom of column design.
2.3-3	Jan. 2005	Format changes.
2.3-4	Jan. 2005	Format changes.
2.4-1	Jan. 2005	No change printed on front of 2.4-2.
2.4-2	Jan. 2005	Reorganized. Corrected procedure for moment magnification. Other corrections to variables.
2.4-3	Jan. 2005	Reorganized. Corrected procedure for moment magnification.
2.4-4	Jan. 2005	Part of page 2.4-3 migrated to 2.4-4

BRIDGE DESIGN GUIDELINES

Revision: 8.1-12/05/06

To: Preliminary Design

Date: Jan. 03, 2006

The following revised sheets are to be inserted into the LRFD Design Guidelines Section 8.1. This cover sheet is for information only and need not be retained.

Preliminary Design

<u>Page</u>	<u>Date</u>	<u>Description</u>
3.3-6	Jan. 2005	No change printed on front of 3.4-1
		- '
3.4-1 thru	Jan. 2005	Replace old checklist with new ones
3.4-9		•

LRFD Bridge Design Guidelines

Revision: Jan. 2006

To: Section 4.0 – Office Notes

Date: Jan. 03, 2006

The following revised sheets are to be inserted into the LRFD Bridge Design Guidelines. This cover sheet is for information only and need not be retained.

Office Notes - Section 4.0

<u>Page</u>	<u>Date</u>	<u>Description</u>
В3-А	Jan. 2005	B3.7 New note (diamond grooving).
В3-В	Jan. 2005	No change reprinted on back of B3-A.
E5-B	Jan. 2005	No change reprinted on front of E6-A.
E6-A	Jan. 2005	Clarification on note E6.3 (coring).
H10-A2	June 2005	H10.16 revised to match note H10.86.
H10-B	June 2005	No change reprinted on back of H10-A2.

BRIDGE DESIGN GUIDELINES

Revision: Jan. 18, 2006

To: Section 3.43 - Steel Superstructure

Date: March 01, 2006

The following revised sheets are to be inserted into the LRFD Design Guidelines Section 8.1.

This cover sheet is for information only and need not be retained.

Steel Superstructure - Section 3.43

<u>Page</u>	<u>Date</u>	<u>Description</u>
2.3-1	Jan. 2005	No change printed on front of 2.3-2
2.3-2	Jan. 2005	Change Maximum intermediate diaphragm spacing from 15'-0" to 25'-0"
3.4-1	Jan. 2005	Added note to alert designer flange width is less than 12"
3.4-2	Jan. 2005	Added note to alert designer flange width is less than 12"
3.4-3	Jan. 2005	Added note to alert designer flange width is less than 12"
3.4-4	Jan. 2005	No change printed on back of 3.4-3
3.4-5	Jan. 2005	No change printed on front of 3.4-6
3.4-6	Jan. 2005	Added note to alert designer flange width is less than 12"

LRFD Bridge Design Guidelines

Revision: Jan. 18, 2006

To: Section 3.71 - Open Concrete Int. Bents

Date: Mar. 01, 2006

The following revised sheets are to be inserted into the LRFD Bridge Design Guidelines.

This cover sheet is for information only and need not be retained.

Open Concrete Int. Bents – Section 3.71

<u>Page</u>	<u>Date</u>	<u>Description</u>
3.6-1	Feb. 1999	No change printed on front of 4.1-1
4.1-1	Dec. 1999	Revised notes regarding keyed construction joints in bearing beam and tie
		beam

LRFD Bridge Design Guidelines

Revision: March 2006

To: Section 4.0 – Office Notes

Date: March 01, 2006

The following revised sheets are to be inserted into the LRFD Bridge Design Guidelines.

This cover sheet is for information only and need not be retained.

Office Notes - Section 4.0

<u>Page</u>	<u>Date</u>	<u>Description</u>
A1-A	Aug. 2005	Removed Fatigue Stress Cases from note A1.1 LRFD.
A1-B	Jan. 2005	No change reprinted on back of A1-A.
I1-C	Jan. 2005	No change reprinted on front of I2-A.
I2-A	Jan. 2006	Clarification for figuring pullout strength of resin anchor systems.

BRIDGE DESIGN GUIDELINES

Revision: March, 2006

To: Section 8.1 - Preliminary Design

Date: Mar. 01, 2006

The following revised sheets are to be inserted into the LRFD Design Guidelines Section 8.1.

This cover sheet is for information only and need not be retained.

Preliminary Design - Section 8.1

<u>Page</u>	<u>Date</u>	<u>Description</u>
2.30-1	Jan. 2005	Added note regarding FHWA submittal
2.30-2	Jan. 2005	No change printed on back of 2.30-1

BRIDGE DESIGN GUIDELINES

Revision: March 2006

To: Section 2.4 -Standard Details

Date: May 01, 2006

The following revised sheets are to be inserted into the LRFD Design Guidelines.

This cover sheet is for information only and need not be retained.

Standard Details - Section 2.4

<u>Page</u> 2.2-1	<u>Date</u> Jan 2005	Description No change printed on front of 3.1-1
3.1-1	Jan. 2005	Added new Hydrologic Tables
3.1-2	New	New sheet due to new tables

LRFD Bridge Design Guidelines

Revision: May 2006

To: Section 3.55 – Prestressed Concrete I-Girders

Date: May 01, 2006

The following revised sheets are to be inserted into the LRFD Bridge Design Guidelines.

This cover sheet is for information only and need not be retained.

Prestressed Concrete I-Girders – Section 3.55

<u>Page</u>	<u>Date</u>	<u>Description</u>
1.1-1	Jan. 2005	Corrected Strand area from $A_{ps} = 0.215 \text{ in}^2 \text{ to } A_{ps} = 0.217 \text{ in}^2$.
1.2-1	March 2005	No change reprinted on back of 1.1-1.

BRIDGE DESIGN GUIDELINES

Revision: May, 2006

To: Section 8.1 - Preliminary Design

Date: May 01, 2006

The following revised sheets are to be inserted into the LRFD Design Guidelines Section 8.1.

This cover sheet is for information only and need not be retained.

Preliminary Design - Section 8.1

<u>Page</u>	<u>Date</u>	<u>Description</u>
4.4-1	Jan. 2005	No change printed on front of 4.4-2
4.4-2	Jan. 2005	Changed Wall Cost per Linear Foot

LRFD Bridge Design Guidelines

Revision: May 2006

To: Section 3.76 – Concrete Pile Cap Non-Integral End Bents

Date: May 01, 2006

The following revised sheets are to be inserted into the LRFD Bridge Design Guidelines.

This cover sheet is for information only and need not be retained.

Concrete Pile Cap Non-Integral End Bents – Section 3.76

<u>Page</u>	<u>Date</u>	<u>Description</u>
3.2-2	April 2005	Removed "Point of rotation" call out.
3.2-3	April 2005	Removed "Rotate wings at front face of backwall" call out.
3.2-8	April 2005	No change reprinted on front of 3.3-1.
3.3-1	April 2005	Revised dimensioning wing fillet to fill face. Removed "Working Point" call
		out.

LRFD Bridge Design Guidelines

Revision: May 2006

To: Section 3.77 – Concrete Pile Cap Integral End Bents

Date: May 01, 2006

The following revised sheets are to be inserted into the LRFD Bridge Design Guidelines.

This cover sheet is for information only and need not be retained.

Concrete Pile Cap Integral End Bents - Section 3.77

<u>Page</u>	<u>Date</u>	<u>Description</u>
3.1-1	April 2005	No change reprinted on front of 3.2-1.
3.2-1	April 2005	Revised dimensioning wing fillet to fill face. Removed "Working Point" call out.
3.3-1	April 2005	No change reprinted on front of 3.3-2.
3.3-2	April 2005	Removed "Point of rotation" call out.
3.4-1	April 2005	No change reprinted on front of 3.4-2.
3.4-2	April 2005	Removed "Point of rotation" call out.

LRFD Bridge Design Guidelines

Revision: May 2006

To: Section 4.0 – Office Notes

Date: May 01, 2006

The following revised sheets are to be inserted into the LRFD Bridge Design Guidelines. This cover sheet is for information only and need not be retained.

Office Notes - Section 4.0

<u>Page</u>	<u>Date</u>	Description
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B3-C1 Jan. 2005 Added note B3.24.

B3-C2 Jan. 2005 No change reprinted on back of B3-C1.

LRFD BRIDGE DESIGN GUIDELINES

Revision: May, 2006

To: Section 8.1 - Preliminary Design

Date: May 01, 2006

The following revised sheets are to be inserted into the LRFD Bridge Design Guidelines.

This cover sheet is for information only and need not be retained.

Preliminary Design - Section 8.1

<u>Page</u>	<u>Date</u>	<u>Description</u>
2.16-8	Jan. 2005	No change printed on the front of 2.16-9.
2.16-9	Oct. 2005	Generalized CC/ATT:
2.30-1 2.30-2	March 2006 Jan. 2005	Clarified documentation with FHWA direction. No change printed on the back of 2.30-1.

LRFD Bridge Design Guidelines

Revision: June 2006

To: Section 3.35 – Expansion Devices

Date: June 01, 2006

The following revised sheets are to be inserted into the LRFD Bridge Design Guidelines. This cover sheet is for information only and need not be retained.

Expansion Devices – Section 3.35

<u>Page</u>	<u>Date</u>	<u>Description</u>
5.5-1	Jan. 2005	Corrected drafting error on backgouge weld symbol.
5.6-1	Jan. 2005	No change reprinted on back of 5.5-1.

LRFD Bridge Design Guidelines

Revision: June 2006

To: Section 4.0 – Office Notes

Date: June 01, 2006

The following revised sheets are to be inserted into the LRFD Bridge Design Guidelines. This cover sheet is for information only and need not be retained.

Office Notes - Section 4.0

Page Date Description	<u>Page</u>	<u>Date</u>	<u>Description</u>
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A4-D Jan. 2005 No change reprinted on front of A5-A.

A5-A Jan. 2005 Clarified note A5.2 concerning traffic handling.

LRFD Bridge Design Guidelines

Revision: June 2006

To: Section 1.3 – Design Properties

Date: June 01, 2006

The following revised sheets are to be inserted into the LRFD Bridge Design Guidelines.

This cover sheet is for information only and need not be retained.

Design Properties – Section 1.3

<u>Page</u>	<u>Date</u>	<u>Description</u>
1.2-2	March 2005	No change reprinted on front of 1.2-3.
1.2-3	March 2005	Corrected error in equation.

LRFD Bridge Design Guidelines

Revision: June 2006

To: Section 3.55 – Prestressed Concrete I-Girders

Date: June 01, 2006

The following revised sheets are to be inserted into the LRFD Bridge Design Guidelines.

This cover sheet is for information only and need not be retained.

Prestressed Concrete I-Girders – Section 3.55

<u>Page</u>	<u>Date</u>	<u>Description</u>
2.5-4	Jan. 2005	No change printed on front of 3.1-1.
3.1-1	Jan. 2005	Coordinated with Standard Library drawings.

LRFD Bridge Design Guidelines

Revision: June 2006 A

To: Section 4.0 – Office Notes

Date: June 01, 2006

The following revised sheets are to be inserted into the LRFD Bridge Design Guidelines. This cover sheet is for information only and need not be retained.

Office Notes - Section 4.0

D	D-4-	Danadatian
Page	Date	Description

H5-A Jan. 2005 Clarification for weld approval method, added note H5-9. H5-B Jan. 2005 Clarification for weld approval method, added note H5-24.

LRFD BRIDGE DESIGN GUIDELINES

Revision: July 2006

To: Section 8.1 - Preliminary Design

Date: July 01, 2006

The following revised sheets are to be inserted into the LRFD Bridge Design Guidelines.

This cover sheet is for information only and need not be retained.

Preliminary Design - Section 8.1

<u>Page</u>	<u>Date</u>	<u>Description</u>
2.15-1.1	Oct 2005	No change printed on the front of 2.16-1.
2.16-1	Jan. 2005	Clarified notes 11 and 12 for Hydrologic data.

LRFD Bridge Design Guidelines

Revision: Aug. 2006

To: Section 3.55 – Prestressed Concrete I-Girders

Date: Aug. 01, 2006

The following revised sheets are to be inserted into the LRFD Bridge Design Guidelines. This cover sheet is for information only and need not be retained.

Prestressed Concrete I-Girders – Section 3.55

<u>Page</u>	<u>Date</u>	<u>Description</u>
2.2-1	Jan. 2005	Additional commentary and clarification of fpj.
2.2-2	Jan. 2005	Page layout change due to change on page 2.2-1.

LRFD Bridge Design Guidelines

Revision: Aug. 2006

To: Section 3.71 – Open Concrete Intermediate Bents and Piers

Date: Aug. 01, 2006

The following revised sheets are to be inserted into the LRFD Bridge Design Guidelines. This cover sheet is for information only and need not be retained.

Open Concrete Intermediate Bents and Piers - Section 3.71

<u>Page</u>	<u>Date</u>	<u>Description</u>
1.7-3	Jan. 2005	No change reprinted on front of 2.1-1.
2.1-1	Jan. 2006	Removed "Fatigue" Limit State.
2.3-1	Jan. 2006	Commentary for fatigue design.
2.3-2	Jan. 2006	No change reprinted on back of 2.3-1.

LRFD BRIDGE DESIGN GUIDELINES

Revision: Aug. 2006

To: Section 8.1 - Preliminary Design

Date: Aug. 01, 2006

The following revised sheets are to be inserted into the LRFD Bridge Design Guidelines.

This cover sheet is for information only and need not be retained.

Preliminary Design - Section 8.1

<u>Page</u>	<u>Date</u>	<u>Description</u>
2.13-1	Jan. 2005	Increase rock blanket thickness to 1'-6". (On the Type 2 rock blanket, 60% of the rock must have a 1 cubic foot volume. A sphere of that volume has a 1.25 foot diameter. The Rock Blanket article from the PDM gives a range of 1.5 to 3.0 feet of thickness. If current 1 foot thick blanket for bridges over railroads is requested, a different rock size would need to be specified. The higher number is used to protect against moving water so 1.5 feet would normally be used on overpasses.)
2.13-2	Jan. 2005	No change printed on the back of 2.13-1.

LRFD Bridge Design Guidelines

Revision: Oct. 2006

To: Section 3.31 – Bearings

Date: Oct. 02, 2006

The following revised sheets are to be inserted into the LRFD Bridge Design Guidelines. This cover sheet is for information only and need not be retained.

Bearings - Section 3.31

<u>Page</u>	<u>Date</u>	<u>Description</u>
Blank		This page intentionally left blank.
3.1-1	Jan. 2005	Clarified min. distance between bolts and neoprene pad.
3.2-1	Jan. 2005	Clarified min. distance between bolts and neoprene pad.
3.2-2	Jan. 2005	Clarified min. distance between bolts and neoprene pad.

LRFD Bridge Design Guidelines

Revision: Oct. 2006

To: Section 3.43 – Steel Superstructure

Date: Oct. 02, 2006

The following revised sheets are to be inserted into the LRFD Bridge Design Guidelines.

This cover sheet is for information only and need not be retained.

Steel Superstructure - Section 3.43

<u>Page</u>	<u>Date</u>	<u>Description</u>
1.1-1	Jan. 2005	Included AASHTO number for shear connector material.
1.2-1	Jan. 2005	No change reprinted on back of 1.1-1.
4.2-1	March 2005	1 ¼" diameter shear connectors removed from manual. (They may continue to be shown as an alternate on plans but discussion with project manager or liaison is required due to the 2 for 1 substitution.)
Blank		No change.

LRFD Bridge Design Guidelines

Revision: Oct 2006

To: Section 3.77 – Concrete Pile Cap Integral End Bents

Date: Oct. 02, 2006

The following revised sheets are to be inserted into the LRFD Bridge Design Guidelines.

This cover sheet is for information only and need not be retained.

Concrete Pile Cap Integral End Bents – Section 3.77

<u>Description</u>
No change reprinted on front of 2.2-1.
Delete wording that was repeated at another location in the Bridge Design Guidelines.
No change reprinted on front of 2.4-1.
Reminder to check bar size and spacing.
Delete wording that was repeated at another location in the Bridge Design Guidelines.
No change reprinted on back of 2.4-2.
No change printed on front of 5.1-1.
Clarification of equation for size of slotted hole.

LRFD Bridge Design Guidelines

Revision: Oct. 2006

To: Section 3.82 – Spread Footings

Date: Oct. 02, 2006

The following revised sheets are to be inserted into the LRFD Bridge Design Guidelines.

This cover sheet is for information only and need not be retained.

Spread Footings - Section 3.82

<u>Page</u>	<u>Date</u>	<u>Description</u>
1.1-1	Jan. 2005	Added, "Foundation should be initially sized for Service Limit State" and added information.
1.2-1	Jan. 2005	Added information for footing depths greater than 36 inches.
2.1-1	Jan. 2005	Added Service Limit check information.
2.2-1	Jan. 2005	Added information about $\phi = 0.45$
2.3-3	Jan. 2005	No change printed on front of 2.4-1
2.4-1	Jan. 2005	Added Crack Control information.
2.4-2		New sheet, added Crack Control information.
3.1-1	Jan. 2005	Added information for footing depths greater than 36 inches.

LRFD Bridge Design Guidelines

Revision: Oct. 2006

To: Section 4.0 – Office Notes

Date: Oct. 02, 2006

The following revised sheets are to be inserted into the LRFD Bridge Design Guidelines. This cover sheet is for information only and need not be retained.

Office Notes - Section 4.0

Page	Date	Description
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H7-A Jan. 2005 No change reprinted on front of H9-A1.

H9-A1 Jan. 2005 Added "deviates **not** more than" to note H9.5.

LRFD BRIDGE DESIGN GUIDELINES

Revision: Aug. 2006

To: Section 8.1 - Preliminary Design

Date: Aug. 01, 2006

The following revised sheets are to be inserted into the LRFD Bridge Design Guidelines.

This cover sheet is for information only and need not be retained.

Preliminary Design - Section 8.1

<u>Page</u>	<u>Date</u>	<u>Description</u>
2.14-1	Jan. 2005	No change printed on front of 2.15-1
2.15-1	Oct. 2005	Corrected calculation of reinforcing steel for bridges and box culverts.
2.15-2 2.16-1	July 2006	No change of information. Format change only. No change printed on back of 2.15-2.